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NEWS 4 Jul 15 Data from 1960-1976 added to RDISCLOSURE
NEWS 5 Jul 21 Identification of STN records implemented
NEWS 6 Jul 21 Polymer class term count added to REGISTRY
NEWS 7 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 8 AUG 05 New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 9 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10 AUG 15 PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 11 AUG 15 PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 12 AUG 15 RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 13 AUG 15 TEMA: one FREE connect hour, per account, in September 2003
NEWS 14 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 15 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 16 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 17 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

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COST IN U.S. DOLLARS

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STRUCTURE FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1
DICTIONARY FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

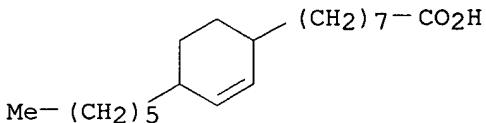
=> e 2-Cyclohexene-1-octanoic acid, 5(or 6)-carboxy-4-hexyl-/cn
 E1 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-(ETHOXCARBONYL)-4-(3-HEXYENYL)-, METHYL ESTER/CN
 E2 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-(3-HEXYENYL)-/CN
 E3 1 --> 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-/CN
 E4 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, .AL
 PHA.-ETHYL ESTER/CN
 E5 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, .AL
 PHA.-PENTYL ESTER/CN
 E6 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, .AL
 PHA.-PENTYL ESTER, COMPD. WITH 2,2',2'''-NITRILOTRIS(ETHANOL)
 (1:1)/CN
 E7 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, .AL
 PHA.-PENTYL ESTER, COMPD. WITH 2,2'-IMINOBIS(ETHANOL) (1:1)/
 CN
 E8 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, .AL
 PHA.-PENTYL ESTER, COMPD. WITH 2-AMINOETHANOL (1:1)/CN
 E9 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, 2-(
 DIBUTYLAMINO)ETHYL ESTER/CN
 E10 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, 2-B
 UTOXYETHYL ESTER/CN
 E11 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, BAR
 IUM SALT/CN
 E12 1 2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-, CAL
 CIUM SALT/CN

=> e3

L1 1 "2-CYCLOHEXENE-1-OCTANOIC ACID, 5(OR 6)-CARBOXY-4-HEXYL-"/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 53980-88-4 REGISTRY
CN 2-Cyclohexene-1-octanoic acid, 5(or 6)-carboxy-4-hexyl- (9CI)
(CA INDEX NAME)
OTHER NAMES:
CN DA 1550
CN DiACID 1550
CN DiACID C21
CN Westvaco 1550
CN Westvaco DiACID 1550
CN Westvaco WV 1550
MF C21 H36 O4
CI IDS, COM
LC STN Files: CA, CAPLUS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB,
TOXCENTER, USPAT2, USPATFULL
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



D1-CO₂H

70 REFERENCES IN FILE CA (1907 TO DATE)
23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
70 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.30	6.51

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FILE COVERS 1907 - 22 Sep 2003 VOL 139 ISS 13
FILE LAST UPDATED: 21 Sep 2003 (20030921/ED)

This file contains CAS Registry Numbers for easy and accurate

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=> 11
L2 70 L1

=> 11/prep
70 L1
3054238 PREP/RL
L3 12 L1/PREP
(L1 (L) PREP/RL)

=> d 13 5-12 ti fbib abs

L3 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
TI Study on the synthesis of C21 dicarboxylic acid
AN 1998:574611 CAPLUS
DN 129:330455
TI Study on the synthesis of C21 dicarboxylic acid
AU Zhang, Shulin; Pang, Dengjia; Yuan, Jun
CS Department of Chemical Engineering, Hebei University of Science and
Technology, Shijiazhuang, 050018, Peop. Rep. China
SO Riyong Huaxue Gongye (1997), (3), 8-9, 7
CODEN: RHGOE8; ISSN: 1001-1803
PB Qinggongyebu Kexue Jishu Qingbao Yanjiuso
DT Journal
LA Chinese
AB A process to produce C21 dicarboxylic acid from castor oil was introduced.
Linolenic acid was prep'd. from castor oil through catalytic removal of
water at 190- 210.degree. and high pressure hydrolysis, and C21
dicarboxylic acid was prep'd. from the obtained linolenic acid by
Diels-Alder addn. reaction with iodine catalyst.

L3 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
TI Dispersions of blended polycarboxypolyamide resins and alkali dispersible
resins, their preparation and their use
AN 1998:424308 CAPLUS
DN 129:109707
TI Dispersions of blended polycarboxypolyamide resins and alkali dispersible
resins, their preparation and their use
IN Calhoun, Glenn C.; Sarkis, Michael T.
PA S.C. Johnson Commercial Markets, Inc., USA
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9827162	A1	19980625	WO 1997-US23679	19971218
	W: AU, BR, CA, CN, JP, KR, MX, NZ			US 1996-770206 A	19961219
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9856159	A1	19980715	AU 1998-56159	19971218
	AU 728596	B2	20010111	US 1996-770206 A	19961219
				WO 1997-US23679W	19971218
	EP 946647	A1	19991006	EP 1997-952583	19971218
	EP 946647	B1	20020703		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			US 1996-770206 A	19961219

CN 1244885	A	20000216	WO 1997-US23679W 19971218
BR 9714161	A	20000425	CN 1997-181452 19971218
			US 1996-770206 A 19961219
			BR 1997-14161 19971218
			US 1996-770206 A 19961219
			WO 1997-US23679W 19971218
NZ 336352	A	20001124	NZ 1997-336352 19971218
			US 1996-770206 A 19961219
			WO 1997-US23679W 19971218
JP 2001506310	T2	20010515	JP 1998-528019 19971218
			US 1996-770206 A 19961219
			WO 1997-US23679W 19971218
AT 220087	E	20020715	AT 1997-952583 19971218
			US 1996-770206 A 19961219
			WO 1997-US23679W 19971218
ES 2175509	T3	20021116	ES 1997-952583 19971218
			US 1996-770206 A 19961219
MX 9905764	A	20000228	MX 1999-5764 19990618
			US 1996-770206 A 19961219
			WO 1997-US23679W 19971218

PATENT FAMILY INFORMATION:

FAN 2003:113389

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6518334	B1	20030211	US 2000-532597	20000322
	CN 1244885	A	20000216	US 1996-770206	B219961219
	ES 2175509	T3	20021116	CN 1997-181452	19971218
				US 1996-770206 A	19961219
				ES 1997-952583	19971218
				US 1996-770206 A	19961219

AB This invention relates to polymer blends comprising a polycarboxypolyamide resin (30-90%, mol. wt. 500-20,000) with an alkali dispersible resin. This invention also relates to the use of the polymer blends to prep. aq. dispersions. The aq. dispersions were obtained by heating polycarboxypolyamide resins with alkali dispersible resins in an aq. medium. The invention further relates to coating compns. contg. the aq. dispersions. Such coating compns. include inks, floor finishes, overprint varnishes, sizing, paints and adhesives.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
TI Aqueous cold seal release lacquers for packaging materials
AN 1995:991071 CAPLUS
DN 124:120311
TI Aqueous cold seal release lacquers for packaging materials
IN Catena, Robert J.; Adhikari, Prasad K.
PA Sun Chemical Corp., USA
SO U.S., 5 pp.
CODEN: USXXAM
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5466734	A	19951114	US 1994-305224	19940913
	EP 703286	A2	19960327	EP 1995-114236	19950911
	EP 703286	A3	19970402		
	EP 703286	B1	20000614		
				R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, SE	
				US 1994-305224 A	19940913
	AT 193901	E	20000615	AT 1995-114236	19950911

ES 2146688	T3	20000816	US 1994-305224 A 19940913
CA 2158144	AA	19960314	ES 1995-114236 19950911
			US 1994-305224 A 19940913
			CA 1995-2158144 19950912
			US 1994-305224 A 19940913

AB Title release varnishes are prep'd. by mixing 30-50 parts of polyamide block copolymers having an acid value of 30-45 a wt.-av. mol. wt. of 3,000-5,000, a no.-av. mol. wt. of 2,000-4,000, and a m.p. of 110-125.degree., with amide waxes 1-5, .gtoreq.1 C1 -C4 alkanols 10-20, amines 5-10, and water 15-55 parts and heating to 75-85.degree. for .ltoreq.90 min. A block polyamide was prep'd. from dimer acid, ethylene diamine, propionic acid, and Westvaco 1550 diacid and used to form title lacquer with good abrasion and block resistance and low friction coeff. and transfer properties.

L3 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Preparation of quaternary ammonium compounds for use as fabric softeners
 AN 1990:161060 CAPLUS
 DN 112:161060
 TI Preparation of quaternary ammonium compounds for use as fabric softeners
 IN Rutzen, Horst; Baumann, Horst; Ploog, Uwe; Uphues, Guenter
 PA Henkel K.-G.a.A., Fed. Rep. Ger.
 SO PCT Int. Appl., 31 pp.
 CODEN: PIXXD2

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8909204	A1	19891005	WO 1989-EP337	19890328
	W: DK, JP, KR, US				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE			DE 1988-3811247	19880402
	DE 3811247	A1	19891012	DE 1988-3811247	19880402
	EP 336267	A2	19891011	EP 1989-105483	19890328
	EP 336267	A3	19891025		
	R: ES			DE 1988-3811247	19880402

OS MARPAT 112:161060
 AB The title compds. R1R2R3R4N+ R5X- [R2 = alkyl; R1 = hydroxyalkyl; R3 = hydroxyalkyl, alkyl, acylamidoalkyl, acyloxyalkyl; R4 = alkyl, acylamidoalkyl, acyloxyalkyl; R5 = hydrocarbyl; X = CO2, OSO3, SO3], useful as softening agents for laundered fabrics, are prep'd. Heating 3 mol C12-18 coco fatty acids, 1 mol [H2N(CH2)3]2NMe, and 0.16 g H3PO2 at 200.degree. for 4 h with distn. of H2O gave a waxy amide salt (amine no. 66.4; acid no. 62.7) which (0.24 mol) was quaternized with 0.48 mol oxirane in 213.4 g H2O at 80.degree./3 atm for 2 h.

L3 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN
 TI Cationic emulsifiers and their use in making aqueous bituminous emulsions and pavement-sealing emulsion-aggregate slurries
 AN 1989:411781 CAPLUS
 DN 111:11781
 TI Cationic emulsifiers and their use in making aqueous bituminous emulsions and pavement-sealing emulsion-aggregate slurries
 IN Schilling, Peter; Schreuders, Hans G.
 PA Westvaco Corp., USA
 SO U.S., 8 pp.
 CODEN: USXXAM
 DT Patent
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 4810299	A	19890307	US 1988-197100	19880520	
	US 4877457	A	19891031	US 1988-263440	19881027	
	US 5008382	A	19910416	US 1988-197100	19880520	
				US 1989-370052	19890720	
				US 1988-197100	19880520	
	EP 451420	A1	19911016	US 1988-263440	19881027	
				EP 1990-401001	19900411	
	R: CH, DE, ES, FR, GB, LI, NL, SE				US 1988-197100	19880520
	US 5178674	A	19930112	US 1992-819084	19920109	
			EP 1990-401001	19900411		

PATENT FAMILY INFORMATION:

FAN 1990:164031

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4877457	A	19891031	US 1988-263440	19881027
	US 4810299	A	19890307	US 1988-197100	19880520
	US 5008382	A	19910416	US 1988-197100	19880520
				US 1989-370052	19890720
				US 1988-197100	19880520
	US 5178674	A	19930112	US 1988-263440	19881027
				US 1992-819084	19920109
				EP 1990-401001	19900411

AB The emulsions and slurries are formed by emulsifying bitumens (asphalt) in water with a novel cation-active emulsifier which is the product of the reaction of a modified polyamine, obtained by reacting a polyalkylene amine with sugar-contg. syrups, preferably molasses, with certain modified polycarboxylic acids and anhydrides. The emulsifier can be used to prep. paving slurry seal mixts. at >100.degree.F.

L3 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI Dicarboxylic acids

AN 1976:4485 CAPLUS

DN 84:4485

TI Dicarboxylic acids

IN Ward, Benjamin F.

PA Westvaco Corp., USA

SO Can., 11 pp.

CODEN: CAXXA4

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 971577	A1	19750722	CA 1972-154600	19721023
				CA 1972-154600	19721023

GI For diagram(s), see printed CA Issue.

AB On heating a mixt. of distd. tall oil fatty acids with CH₂:CHCO₂H at 250.degree. in the presence of iodine the linoleic acid portion of the fatty acids underwent addn. reaction to give the dicarboxylic acid I (x = 2, 3) and linoleic free tall oil fatty acids. I was sep'd. from the reaction mixt. by fractional distn. and was further purifd. via distn. of its di-Me ester.

L3 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI Dicarboxylic acid from linoleic acid

AN 1975:458269 CAPLUS

DN 83:58269

TI Dicarboxylic acid from linoleic acid

IN Ward, Benjamin Franklin

PA Westvaco Corp., USA

SO Brit., 6 pp.

CODEN: BRXXAA

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1373316	A	19741106	GB 1972-48767	19721023
				GB 1972-48767	19721023

GI For diagram(s), see printed CA Issue.

AB The title decarboxylic acid I ($R = 2-$ or $3-CO_2H$) was prep'd. from the linoleic acid portion of distd. tall oil fatty acids by treating the mixt. with $CH_2:CHCO_2H$ in the presence of iodine; I was sep'd. from the fatty acids (now linoleic acid-free) by fractional distn. Thus, treatment of a tall oil-derived fatty acid mixt. contg. 41.4 wt. % linoleic acid with $CH_2:CHCO_2H$ and 0.15 wt. % iodine 0.75 hr at 250.degree. gave a mixt. contg. 42 wt. % I and 0.6 wt. % linoleic acid.

L3 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI Dicarboxylic acid from linoleic acid-containing fatty acid mixtures

AN 1974:569214 CAPLUS

DN 81:169214

TI Dicarboxylic acid from linoleic acid-containing fatty acid mixtures

IN Ward, Benjamin F.

PA Westvaco Corp.

SO Ger. Offen., 12 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2406401	A1	19740829	DE 1974-2406401	19740211
	DE 2406401	B2	19790920		
	DE 2406401	C3	19800529		
				US 1973-331957	19730212
	CA 1016539	A1	19770830	CA 1974-192034	19740207
				US 1973-331957	19730212
	GB 1421527	A	19760121	GB 1974-6223	19740211
				US 1973-331957	19730212
	JP 49134620	A2	19741225	JP 1974-17481	19740212
				US 1973-331957	19730212

GI For diagram(s), see printed CA Issue.

AB The dicarboxylic acid I ($R = R_1 = H$ or CO_2H) was prep'd. by reaction of tall oil fatty acid mixts. contg. conjugated and nonconjugated linoleic acid (II) with $CH_2:CHCO_2H$ (III) in the presence of SO_2 or Pd/C for 1-3 hr at .apprx.220-50.degree.. Thus, a distd. tall oil fatty acid mixt. contg. 32% nonconjugated and 10% conjugated II was heated with III in the presence of 0.5% Pd/C for 2 hr at 252.degree. to give 30% I at II conversion 100%. This method allows the sep'n. of fatty acids into an oleic acid-like and a dicarboxylic acid portion.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY SESSION

FULL ESTIMATED COST

36.45

42.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE

-5.21

-5.21

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:58:23 ON 22 SEP 2003

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Welcome to STN International! Enter x:x

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PASSWORD:

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FILE 'CPLUS' ENTERED AT 10:01:48 ON 22 SEP 2003
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.45	42.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.21	-5.21

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.45	42.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.21	-5.21

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STRUCTURE FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1
DICTIONARY FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

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conducting SmartSELECT searches.

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Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e 2,4,6-Undecatrienoic acid, 11-(1,3-benzodioxol-5-yl)-, (E,E,E)-/cn
E1 1 2,4,6-UNDECATRIENOIC ACID, 11-((TETRAHYDRO-2H-PYRAN-2-YL)OXY
)-, ETHYL ESTER, (E,E,E)-/CN

E2 1 2,4,6-UNDECATRIENOIC ACID, 11-((TETRAHYDRO-2H-PYRAN-2-YL)OXY)-, METHYL ESTER, (E,E,E)-/CN
 E3 1 --> 2,4,6-UNDECATRIENOIC ACID, 11-(1,3-BENZODIOXOL-5-YL)-, (E,E,E)-/CN
 E4 1 2,4,6-UNDECATRIENOIC ACID, 11-(1,3-BENZODIOXOL-5-YL)-, METHYL ESTER, (E,E,E)-/CN
 E5 1 2,4,6-UNDECATRIENOIC ACID, 11-HYDROXY-, ETHYL ESTER, (E,E,E)-/CN
 E6 1 2,4,6-UNDECATRIENOIC ACID, 11-HYDROXY-, METHYL ESTER, (E,E,E)-/CN
 E7 1 2,4,6-UNDECATRIENOIC ACID, 11-OXO-, ETHYL ESTER, (E,E,E)-/CN
 E8 1 2,4,6-UNDECATRIENOIC ACID, 11-OXO-, METHYL ESTER, (E,E,E)-/CN
 E9 1 2,4,6-UNDECATRIENOIC ACID, 2-METHYL-, METHYL ESTER/CN
 E10 1 2,4,6-UNDECATRIENOIC ACID, 3-METHYL-7-((1E)-2-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL)ETHENYL)-, (2E,4E,6Z)-/CN
 E11 1 2,4,6-UNDECATRIENOIC ACID, 3-METHYL-7-((1E)-2-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL)ETHENYL)-, ETHYL ESTER, (2E,4E,6Z)-/CN
 E12 1 2,4,6-UNDECATRIENOIC ACID, 3-METHYL-7-((1E)-2-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL)ETHENYL)-, ETHYL ESTER, (2Z,4E,6Z)-/CN

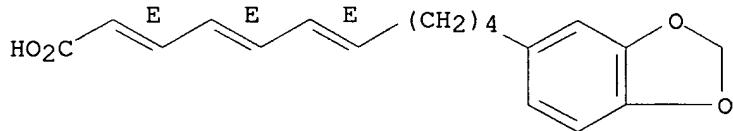
=> e3

L4 1 "2,4,6-UNDECATRIENOIC ACID, 11-(1,3-BENZODIOXOL-5-YL)-, (E,E,E)-/CN

=> d 14

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 58403-60-4 REGISTRY
 CN 2,4,6-Undecatrienoic acid, 11-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C18 H20 O4
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE
 ENTRY
 6.30

TOTAL
 SESSION
 49.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
 ENTRY
 0.00

TOTAL
 SESSION
 -5.21

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 10:02:31 ON 22 SEP 2003
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FILE COVERS 1907 - 22 Sep 2003 VOL 139 ISS 13
FILE LAST UPDATED: 21 Sep 2003 (20030921/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 14
L5 1 L4
=> d 15 ti fbib abs

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
TI Carbon-13 NMR spectroscopy. 9. Piperaceae alkaloids. III. Synthesis of N-isobutyl-11-(3,4-methylenedioxyphenyl)undeca-2,4,6-trans,trans,trans-trienoic amide and N-isobutyl-11-(3,4-methylenedioxyphenyl)undeca-2,8,10-trans,trans,trans-trienoic amide (piperstachine)
AN 1976:90357 CAPLUS
DN 84:90357
TI Carbon-13 NMR spectroscopy. 9. Piperaceae alkaloids. III. Synthesis of N-isobutyl-11-(3,4-methylenedioxyphenyl)undeca-2,4,6-trans,trans,trans-trienoic amide and N-isobutyl-11-(3,4-methylenedioxyphenyl)undeca-2,8,10-trans,trans,trans-trienoic amide (piperstachine)
AU Viswanathan, Narayanan; Balakrishnan, Venkatachalam; Joshi, Balawant S.; Von Philipsborn, Wolfgang
CS Ciba-Geigy Res. Cent., Bombay, India
SO Helvetica Chimica Acta (1975), 58(7), 2026-35
CODEN: HCACAV; ISSN: 0018-019X
DT Journal
LA English
GI For diagram(s), see printed CA Issue.
AB The Wittig reaction of trans,trans-Ph3PCH2CH:CHCH:CHCO2Me and aldehyde I yielded acid II which was treated with Me2CHCH2NH2 to give trans,trans,trans-amide III. The condensation of aldehyde IV with Ph3P:CHCO2Me gave acid V which was sapon. and then treated with Me2CHCH2NH2 to give trans,trans,trans-amide VI, which was identical with piperstachine based on uv, ir, NMR, and mass spectra.

=> d 15 it

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
IT Pepper (Piper)
IT (P. trichostachyon, piperstachine of, synthesis of)
IT Alkaloids, preparation
RL: RCT (Reactant); RACT (Reactant or reagent)

(of *Piper trichostachyon*, synthesis of)
IT 78-81-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation by, of (methylenedioxyphenyl)undecatrienoic acids)
IT 2969-81-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation of piperonal)
IT 120-57-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation of, with ethyl bromobutyrate)
IT 58095-77-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation of, with ethyl bromocaproate)
IT 58403-58-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and Wittig reaction)
IT 58403-70-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and Wittig reaction of, with carbomethoxymethylidene
triphenylphosphorane)
IT 58403-60-4P 58403-71-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and amidation of, with isobutylamine)
IT 41917-45-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and ethylation of)
IT 33543-14-5P 58403-66-0P 58403-67-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and hydride redn. of)
IT 58403-56-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and hydrogenation of)
IT 58403-64-8P 58403-65-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and methylation of)
IT 58403-57-9P 58403-68-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and oxidn. of)
IT 51276-40-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and reaction of, with (methylenedioxyphenyl)valeraldehyde)
IT 57110-35-7P 58403-55-7P 58403-59-1P 58403-62-6P 58403-63-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and saponification of)
IT 58403-61-5P 58403-69-3P 58403-72-8P 58403-73-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
IT 25542-62-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (methylenedioxy)cinamnamaldehyde)
IT 2605-67-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with (methylenedioxyphenyl)nonadienal)

IT 51010-88-9
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with triphenylphosphine)
IT 57155-80-3P
RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.14	52.40
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-5.86

FILE 'REGISTRY' ENTERED AT 10:03:19 ON 22 SEP 2003
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STRUCTURE FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1
DICTIONARY FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> S 58403-71-7/RN

L6 1 58403-71-7/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

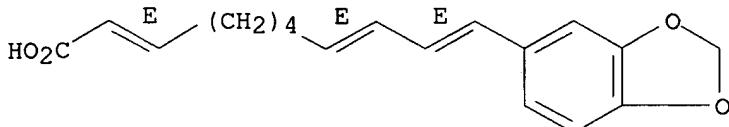
=> D L6 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y
THE ESTIMATED COST FOR THIS REQUEST IS 5.63 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 58403-71-7 REGISTRY
CN 2,8,10-Undecatrienoic acid, 11-(1,3-benzodioxol-5-yl)-, (E,E,E)- (9CI)
(CA INDEX NAME)
FS STEREOSEARCH
MF C18 H20 O4

LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=>

=> 16
L7 1 58403-71-7/RN

=> logoff hold
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 3.28 55.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
ENTRY SESSION
CA SUBSCRIBER PRICE 0.00 -5.86

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:05:56 ON 22 SEP 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 10:07:18 ON 22 SEP 2003
FILE 'REGISTRY' ENTERED AT 10:07:18 ON 22 SEP 2003
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COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 3.28 55.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

CA SUBSCRIBER PRICE

ENTRY SESSION
0.00 -5.86

=> e 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-, (all-E)-/cn

E1 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7,8-DIMETHYL-/CN
E2 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-/CN
E3 0 --> 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, (ALL-E)-/CN
E4 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, (ALL-E)-/CN
E5 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, ETHYL ESTER/CN
E6 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, METHYL ESTER, (ALL-E)-/CN
E7 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, METHYL ESTER, (E,E,E,Z)-/CN
E8 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-3-(TRIFLUOROMETHYL)-, ETHYL ESTER, (ALL-E)-/CN
E9 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-3-(TRIFLUOROMETHYL)-, ETHYL ESTER, (Z,E,E,E)-/CN
E10 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3-DIMETHYL-1-NAPHTHALENYL)-3,7-DIMETHYL-, ETHYL ESTER/CN
E11 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,5-DIMETHYLPHENYL)-3,7-DIMETHYL-, (ALL-E)-/CN
E12 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,5-DIMETHYLPHENYL)-3,7-DIMETHYL-, ETHYL ESTER, (ALL-E)-/CN

=> e 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl-/cn

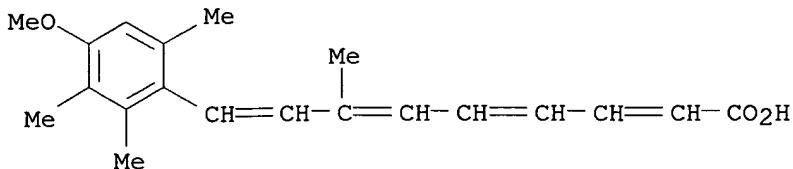
E1 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-4,7-DIMETHYL-, ETHYL ESTER, (ALL-E)-/CN
E2 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7,8-DIMETHYL-/CN
E3 1 --> 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-/CN
E4 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, (ALL-E)-/CN
E5 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, ETHYL ESTER/CN
E6 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, METHYL ESTER, (ALL-E)-/CN
E7 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-, METHYL ESTER, (E,E,E,Z)-/CN
E8 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-3-(TRIFLUOROMETHYL)-, ETHYL ESTER, (ALL-E)-/CN
E9 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-3-(TRIFLUOROMETHYL)-, ETHYL ESTER, (Z,E,E,E)-/CN
E10 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3-DIMETHYL-1-NAPHTHALENYL)-3,7-DIMETHYL-, ETHYL ESTER/CN
E11 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,5-DIMETHYLPHENYL)-3,7-DIMETHYL-, (ALL-E)-/CN
E12 1 2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,5-DIMETHYLPHENYL)-3,7-DIMETHYL-, ETHYL ESTER, (ALL-E)-/CN

=> e3

L8 1 "2,4,6,8-NONATETRAENOIC ACID, 9-(4-METHOXY-2,3,6-TRIMETHYLPHENYL)-7-METHYL-"/CN

=> d 18

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 106687-63-2 REGISTRY
CN 2,4,6,8-Nonatetraenoic acid, 9-(4-methoxy-2,3,6-trimethylphenyl)-7-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H24 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

	SINCE FILE ENTRY	TOTAL SESSION
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	9.58	61.98
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.86

FILE 'CAPLUS' ENTERED AT 10:08:09 ON 22 SEP 2003
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FILE COVERS 1907 - 22 Sep 2003 VOL 139 ISS 13
FILE LAST UPDATED: 21 Sep 2003 (20030921/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 18

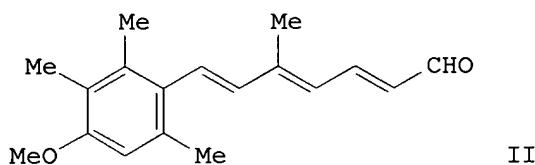
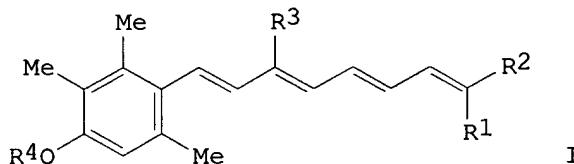
L9 1 L8

=> d 19 ti fbib abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
TI Polyene compounds useful in the treatment of allergic responses
AN 1987:84148 CAPLUS
DN 106:84148
TI Polyene compounds useful in the treatment of allergic responses
IN Loev, Bernard; Chan, Wan Kit
PA USV Pharmaceutical Corp., USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4621099	A	19861104	US 1985-778952	19850923
				US 1985-778952	19850923

OS CASREACT 106:84148
GI



AB Title compds. I (R₁ = R₃ = H, alkyl; R₂ = carboxy, carboxy salts; R₄ = H, alkyl, aralkyl) are prep'd. for treatment of inflammation and allergy. Thus, phenylheptatrienyl II was olefinated by tri-Et 2-phosphonopropionate and NaH followed by sapon. to afford I (R₁ = R₃ = R₄ = Me; R₂ = CO₂H), which inhibited 5-lipoxygenase in vitro.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
3.67	65.65

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-0.65	-6.51

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:09:56 ON 22 SEP 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CPLUS' AT 10:58:44 ON 22 SEP 2003
FILE 'CPLUS' ENTERED AT 10:58:44 ON 22 SEP 2003
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.67	65.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-6.51

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.67	65.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-6.51

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:58:52 ON 22 SEP 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CPLUS' AT 11:41:40 ON 22 SEP 2003
FILE 'CPLUS' ENTERED AT 11:41:40 ON 22 SEP 2003
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.67	65.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-6.51

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.08	66.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
--	------------------	---------------

CA SUBSCRIBER PRICE

-0.65

-6.51

FILE 'REGISTRY' ENTERED AT 11:41:59 ON 22 SEP 2003
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STRUCTURE FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1
DICTIONARY FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

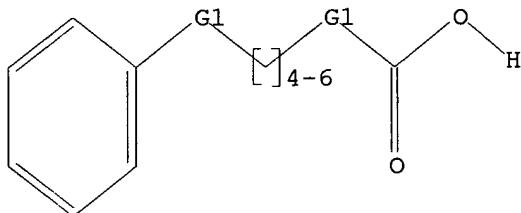
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
Uploading 10025947 rce 2nd action 3rd try.str

L10 STRUCTURE UPLOADED

=> d 110
L10 HAS NO ANSWERS
L10 STR



G1 CH₂,O,S,N
G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> search 110 sss sam
SAMPLE SEARCH INITIATED 11:42:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 47101 TO ITERATE

2.1% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

6 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 929107 TO 954933

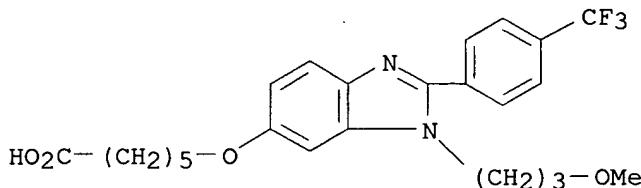
PROJECTED ANSWERS:

4644 TO 6660

L11 6 SEA SSS SAM L10

=> d scan

L11 6 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Hexanoic acid, 6-[[1-(3-methoxypropyl)-2-[4-(trifluoromethyl)phenyl]-1H-benzimidazol-6-yl]oxy]- (9CI)
MF C24 H27 F3 N2 O4



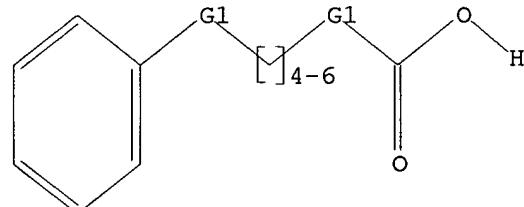
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>
Uploading 10025947 rce 2nd action 3rd try.str

L12 STRUCTURE UPLOADED

=> d 112
L12 HAS NO ANSWERS
L12 STR



G1 CH2,O,S,N

G2 O,S

Structure attributes must be viewed using STN Express query preparation.

=> search l12 sss sam
SAMPLE SEARCH INITIATED 11:44:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 41994 TO ITERATE

2.4% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

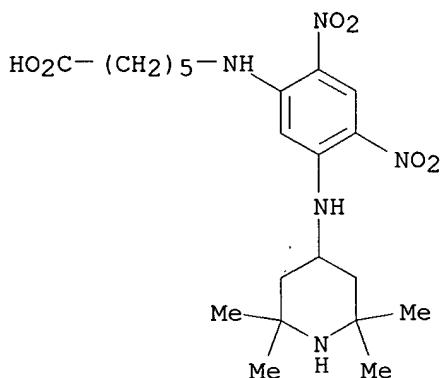
3 ANSWERS

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
PROJECTION ITERATIONS: 827676 TO 852084
PROJECTION ANSWERS: 1846 TO 3192

T13 3 SEA SSS SAM L12

⇒ d scan

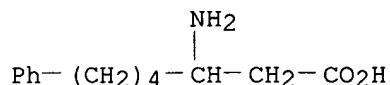
L13 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Hexanoic acid, 6-[[2,4-dinitro-5-[(2,2,6,6-tetramethyl-4-piperidinyl)amino]phenyl]amino]- (9CI)
MF C21 H33 N5 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

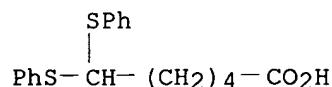
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

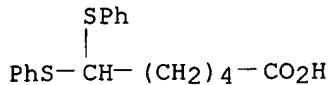
L13 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Benzeneheptanoic acid, .beta.-amino- (9CI)
MF C13 H19 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L13 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Hexanoic acid, 6,6-bis(phenylthio)- (9CI)
MF C18 H20 O2 S2





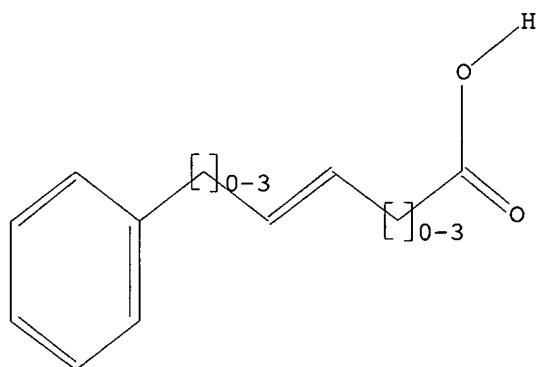
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

```
=> Uploading 10025947 rce 2nd action 3rd try.str
```

L14 STRUCTURE UPLOADED

=> d 114
L14 HAS NO ANSWERS
L14 STR



G1 CH₂, O, S, N
G2 O, S

Structure attributes must be viewed using STN Express query preparation.

=> search 114 sss sam
SAMPLE SEARCH INITIATED 11:47:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6576 TO ITERATE

15.2% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
PROJECTED ITERATIONS: 126661 TO 136379
PROJECTED ANSWERS: 22491 TO 26697

L15 50 SEA SSS SAM L14

=> dscan

L16

0 DSCAN

=> search 114 sss sam

SAMPLE SEARCH INITIATED 11:48:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6576 TO ITERATE

15.2% PROCESSED 1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

50 ANSWERS

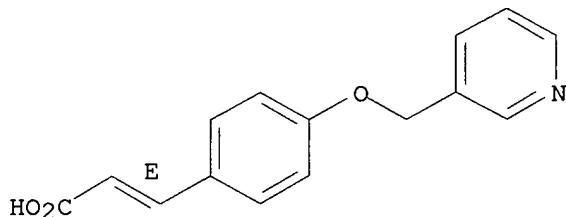
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 126661 TO 136379
PROJECTED ANSWERS: 22491 TO 26697

L17 50 SEA SSS SAM L14

=> d scan

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[4-(3-pyridinylmethoxy)phenyl]-, (2E)- (9CI)
MF C15 H13 N O3

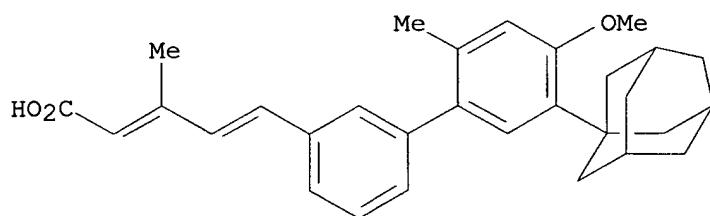
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

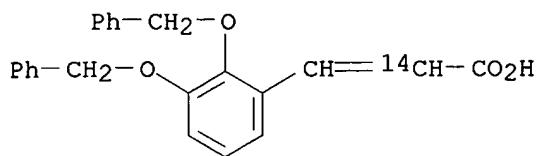
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2,4-Pentadienoic acid, 5-(4'-methoxy-2'-methyl-5'-tricyclo[3.3.1.13,7]dec-1-yl[1,1'-biphenyl]-3-yl)-3-methyl- (9CI)
MF C30 H34 O3



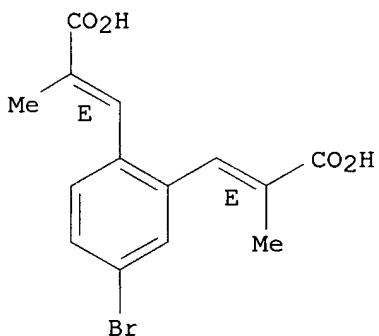
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic-2-14C acid, 3-[2,3-bis(phenylmethoxy)phenyl]- (9CI)
MF C23 H20 O4



L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3,3'-(4-bromo-1,2-phenylene)bis[2-methyl-, (2E,2'E)- (9CI)
MF C14 H13 Br O4

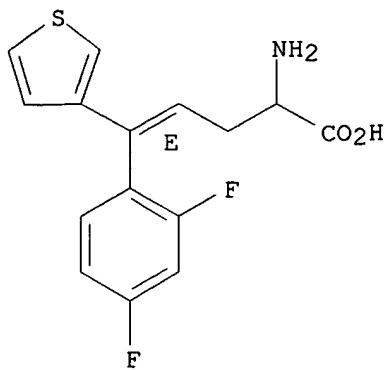
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

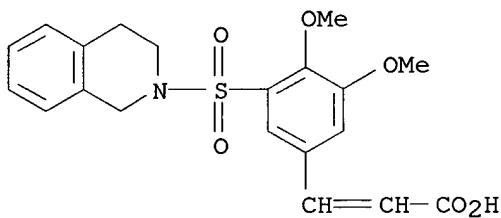
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 4-Pentenoic acid, 2-amino-5-(2,4-difluorophenyl)-5-(3-thienyl)-, (4E)- (9CI)
MF C15 H13 F2 N O2 S
CI COM

Double bond geometry as shown.



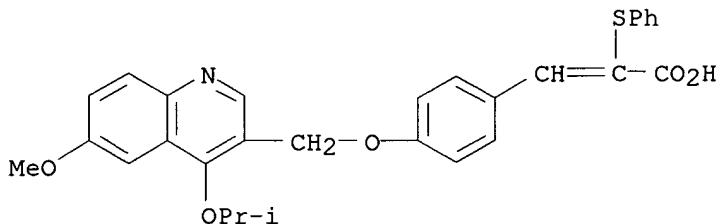
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[3-[(3,4-dihydro-2(1H)-isoquinolinyl)sulfonyl]-4,5-dimethoxyphenyl]- (9CI)
MF C20 H21 N O6 S



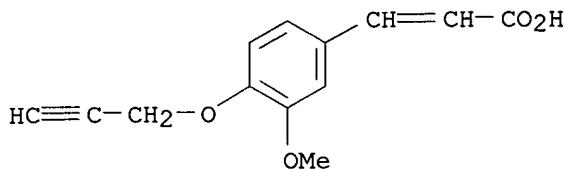
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[4-[(6-methoxy-4-(1-methyllethoxy)-3-
quinoliny)methoxy]phenyl]-2-(phenylthio)- (9CI)
MF C29 H27 N 05 S



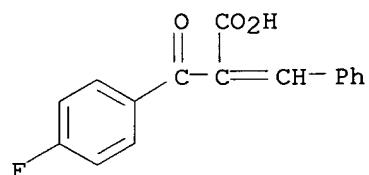
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[3-methoxy-4-(2-propynyl)phenyl]- (9CI)
MF C13 H12 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

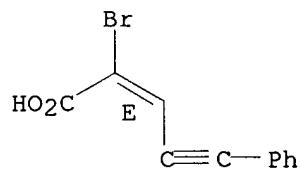
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Benzenepropanoic acid, 4-fluoro-.beta.-oxo-.alpha.- (phenylmethylene)- (9CI)
MF C16 H11 F O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Penten-4-ynoic acid, 2-bromo-5-phenyl-, (2E)- (9CI)
MF C11 H7 Br O2

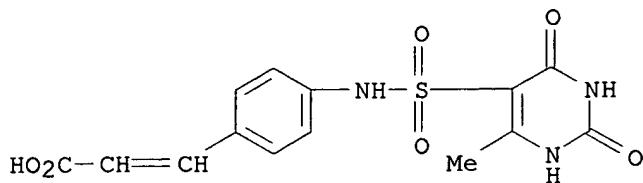
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[4-[(1,2,3,4-tetrahydro-6-methyl-2,4-dioxo-5-

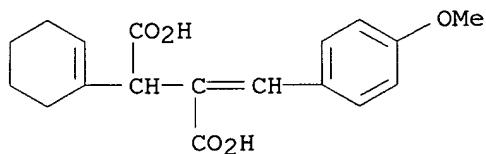
MF C14 H13 N3 O6 S
pyrimidinylsulfonyl]amino]phenyl]- (9CI)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

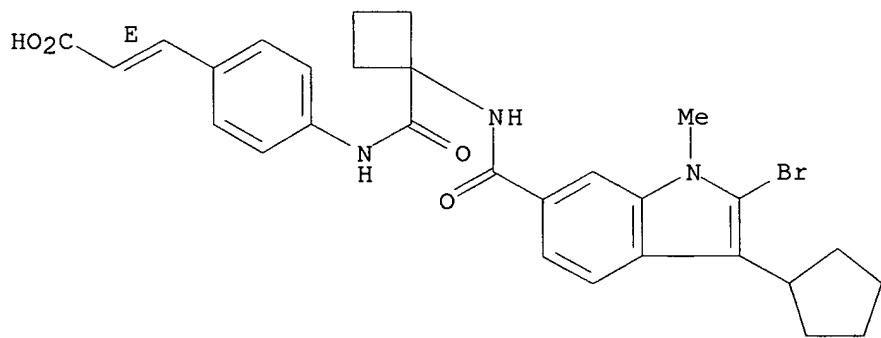
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Butanedioic acid, 1-cyclohexen-1-yl[(4-methoxyphenyl)methylene]- (9CI)
MF C18 H20 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

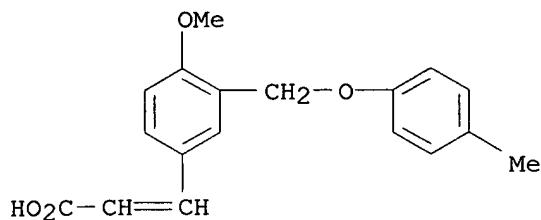
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[4-[[1-[[[(2-bromo-3-cyclopentyl-1-methyl-1H-indol-6-yl)carbonyl]amino]cyclobutyl]carbonyl]amino]phenyl]-, (2E)- (9CI)
MF C29 H30 Br N3 O4

Double bond geometry as shown.



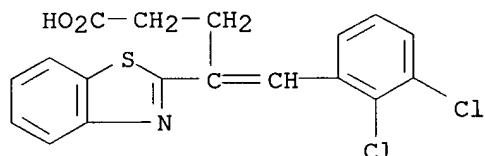
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Propenoic acid, 3-[4-methoxy-3-[(4-methylphenoxy)methyl]phenyl]- (9CI)
MF C18 H18 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

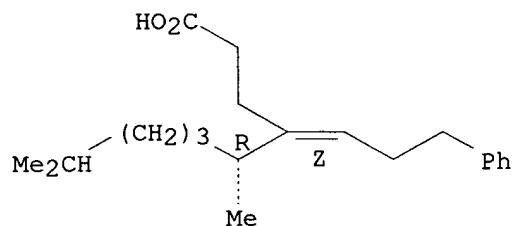
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2-Benzothiazolebutanoic acid, .gamma.-[(2,3-dichlorophenyl)methylene]- (9CI)
MF C18 H13 Cl2 N O2 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

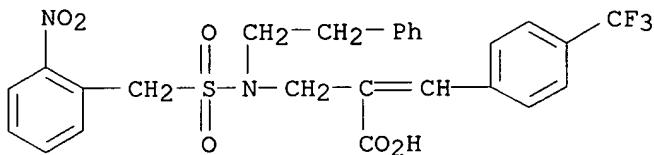
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN INDEX NAME NOT YET ASSIGNED
MF C21 H32 O2

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

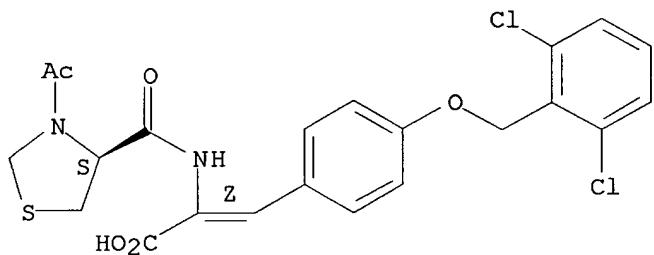
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN 2-Propenoic acid, 2-[[[[2-nitrophenyl)methyl]sulfonyl](2-phenylethyl)amino)methyl]-3-[4-(trifluoromethyl)phenyl]- (9CI)
 MF C26 H23 F3 N2 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN 2-Propenoic acid, 2-[[[(4S)-3-acetyl-4-thiazolidinyl]carbonyl]amino]-3-[4-[(2,6-dichlorophenyl)methoxy]phenyl]-, (2Z)- (9CI)
 MF C22 H20 Cl2 N2 O5 S

Absolute stereochemistry.
 Double bond geometry as shown.

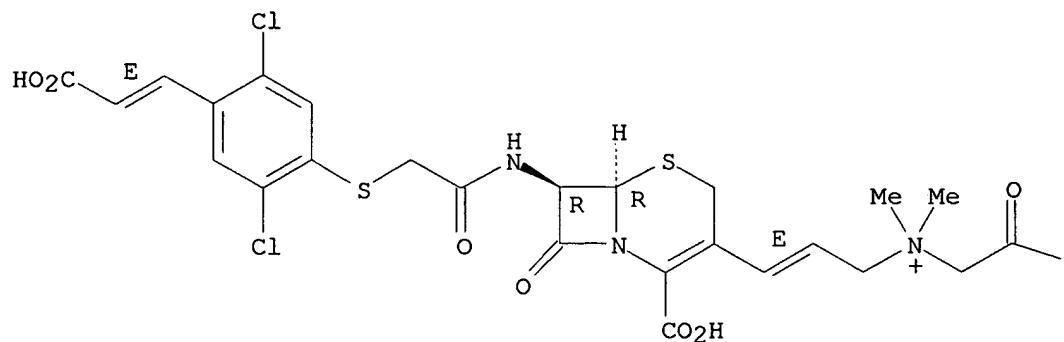


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

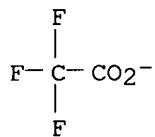
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN 2-Propen-1-aminium, N-(2-amino-2-oxoethyl)-3-[(6R,7R)-2-carboxy-7-[[[4-[(1E)-2-carboxyethenyl]-2,5-dichlorophenyl]thio]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]-N,N-dimethyl-, (2E)-, salt with trifluoroacetic acid (1:1) (9CI)
 MF C25 H27 Cl2 N4 O7 S2 . C2 F3 O2

CM 1

Absolute stereochemistry.
 Double bond geometry as shown.



CM 2

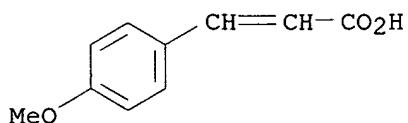


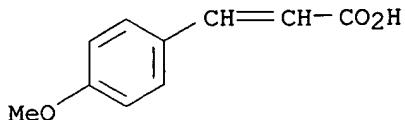
L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Cellulose, 2-(2-hydroxy-1-oxoproxy)propanoate 3-(4-methoxyphenyl)-2-
 propenoate (9CI)
 MF C10 H10 O3 . x C6 H10 O5 . x Unspecified

CM 1

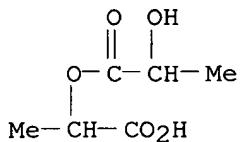
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2



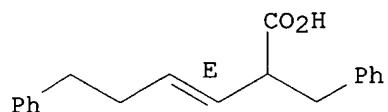


CM 3



L17 50 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
 IN Benzenepropanoic acid, .alpha.-[(1E)-4-phenyl-1-butenyl]- (9CI)
 MF C19 H20 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> e 2-Penten-4-yneic acid, 2-bromo-5-phenyl-/cn
 E1 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-(TRIMETHYLSILYL)-, ETHYL ESTER, (E)-/CN
 E2 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-(TRIMETHYLSILYL)-, ETHYL ESTER, (Z)-/CN
 E3 0 --> 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-/CN
 E4 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-, (2E)-/CN
 E5 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-, ETHYL ESTER, (2E)-/CN
 E6 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-, ETHYL ESTER, (Z)-/CN
 E7 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-, METHYL ESTER, (2E)-/CN
 E8 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-3-(TRIFLUOROMETHYL)-, 1,1-DIMETHYLETHYL ESTER, (E)-/CN
 E9 1 2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-3-(TRIFLUOROMETHYL)-, 1,1-DIMETHYLETHYL ESTER, (Z)-/CN
 E10 1 2-PENTEN-4-YNOIC ACID, 2-CHLORO-5-(TRIMETHYLSILYL)-, ETHYL ESTER/CN
 E11 1 2-PENTEN-4-YNOIC ACID, 2-CHLORO-5-PHENYL-/CN
 E12 1 2-PENTEN-4-YNOIC ACID, 2-CHLORO-5-PHENYL-, P-TOLYL ESTER/CN

=> e4

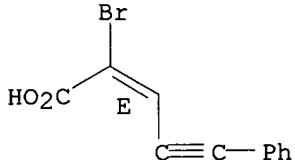
L18

1 "2-PENTEN-4-YNOIC ACID, 2-BROMO-5-PHENYL-, (2E)-"/CN

=> d 118

L18 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
RN 444886-89-9 REGISTRY
CN 2-Penten-4-ynoic acid, 2-bromo-5-phenyl-, (2E)- (9CI) (CA INDEX
NAME)
FS STEREOSEARCH
MF C11 H7 Br O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.52	82.58
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.51

FILE 'CAPLUS' ENTERED AT 11:51:20 ON 22 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 22 Sep 2003 VOL 139 ISS 13
FILE LAST UPDATED: 21 Sep 2003 (20030921/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 118

L19

1 L18

=> d 119 ti fbib abs

L19 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

TI Selective synthesis of 5,6-disubstituted 3-methyl-2(2H)-pyranones and 6-substituted 3-methyl-2(2H)-pyranones, including fusalanipyrone and gibepyrone A

AN 2002:261179 CAPLUS

DN 137:140641

TI Selective synthesis of 5,6-disubstituted 3-methyl-2(2H)-pyranones and 6-substituted 3-methyl-2(2H)-pyranones, including fusalanipyrone and gibepyrone A

AU Biagetti, Matteo; Bellina, Fabio; Carpita, Adriano; Viel, Stephane; Mannina, Luisa; Rossi, Renzo

CS Dipartimento di Chimica e Chimica Industriale, Pisa, 56126, Italy

SO European Journal of Organic Chemistry (2002), (6), 1063-1076
CODEN: EJOCFK; ISSN: 1434-193X

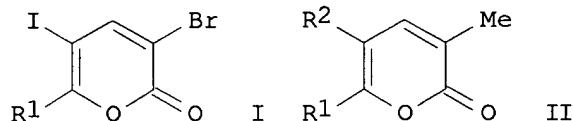
PB Wiley-VCH Verlag GmbH

DT Journal

LA English

OS CASREACT 137:140641

GI



AB The 6-substituted 3-bromo-5-iodo-2(2H)-pyranones I [R = (Z)-MeC:CHMe, Bu, Ph], prep'd. by iodolactonization of the corresponding 5-substituted (E)-2-bromo-2-en-4-ynoic acids (Z)-R1C.tplbond.CCH:CBrCO2H, were used as precursors to 5,6-disubstituted 3-methyl-2(2H)-pyranones II (R1 = Bu, R2 = 4-MeOC6H4; R1 = Ph, R2 = BuC.tplbond.C) (III) and 6-substituted 3-methyl-2(2H)-pyranones II [R1 = (Z)-, (E)-MeC:CHMe, Bu, R2 = H] (IV). The synthesis of compds. III involved two consecutive Stille-type reactions, whereas the approach followed to prep. compds. IV consisted of the selective redn. of the dihalogen derivs. I to the corresponding 6-substituted 3-bromo-2(2H)-pyranones, followed by a Pd/Cu-catalyzed reaction with tetramethyltin. However, this synthetic approach to compds. IV proved to be unsuitable for prep. stereoisomerically pure fusalanipyrone II [R1 = (Z)-MeC:CHMe, R2 = H] (V), a natural product isolated from Fusarium solani. Nevertheless, V and gibepyrone A II [R1 = (E)-MeC:CHMe, R2 = H], which is a natural product isolated from Gibberella fujikuroi, could be synthesized in stereoisomerically pure form by reaction sequences involving iodolactonization of easily available (2Z,6Z)- and (2Z,6E)-2,6-dimethyl-2,6-octadien-4-ynoic acids, resp., followed by Pd-catalyzed triethylammonium formate redn. of the thus obtained 6-substituted 5-iodo-3-methyl-2(2H)-pyranones II [R1 = (Z)-MeC:CHMe, R2 = iodo; R1 = (E)-MeC:CHMe, R2 = iodo], resp.

RE.CNT 91 THERE ARE 91 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST	ENTRY 7.84	SESSION 90.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-7.16

FILE 'REGISTRY' ENTERED AT 11:59:17 ON 22 SEP 2003
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1
DICTIONARY FILE UPDATES: 21 SEP 2003 HIGHEST RN 590345-44-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

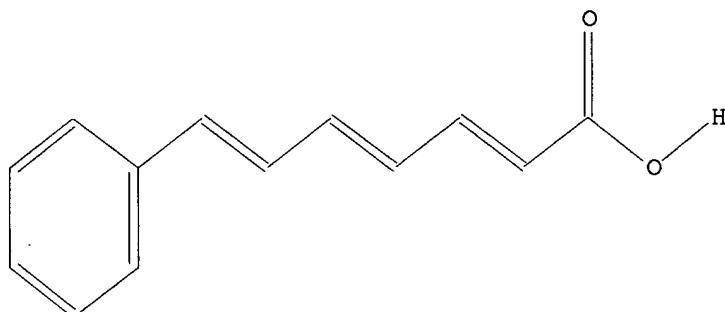
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> Uploading 10025947 phenylheptatrienoic acid.str

L20 STRUCTURE UPLOADED

=> d 120
L20 HAS NO ANSWERS
L20 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> search 120 exact full
FULL SEARCH INITIATED 12:01:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      5 TO ITERATE
```

100.0% PROCESSED 5 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

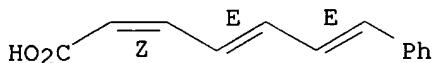
L21

3 SEA EXA FUL L20

=> d scan

L21 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2,4,6-Heptatrienoic acid, 7-phenyl-, (2Z,4E,6E)- (9CI)
MF C13 H12 O2

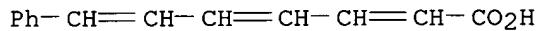
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

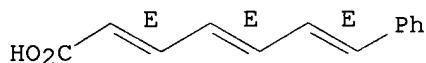
L21 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2,4,6-Heptatrienoic acid, 7-phenyl- (7CI, 8CI, 9CI)
MF C13 H12 O2
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L21 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 2,4,6-Heptatrienoic acid, 7-phenyl-, (E,E,E)- (8CI, 9CI)
MF C13 H12 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> e 2,4,6-Heptatrienoic acid, 7-phenyl-, (E,E,E)-/cn
E1 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-/CN
E2 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, (2Z,4E,6E)-/CN
E3 1 --> 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, (E,E,E)-/CN
E4 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, ETHYL ESTER/CN
E5 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, ETHYL ESTER, (E,E,E)-/C
N
E6 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, ETHYL ESTER, (Z,E,E)-/C

N

E7 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, METHYL ESTER/CN
 E8 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, METHYL ESTER, (2E,4E,6E
)-/CN
 E9 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, METHYL ESTER, (2E,4Z,6E
)-/CN
 E10 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, METHYL ESTER, (E,E,E)-/
 CN
 E11 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-2-((TRIPHENYLPHOSPHORANYL
 IDENE)AMINO)-, ETHYL ESTER, (Z,E,E)-/CN
 E12 1 2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-3-(1-PYRROLIDINYL)-, METH
 YL ESTER, (E,E,E)-/CN

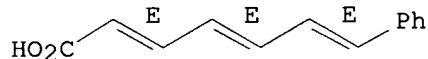
=> e3

L22 1 "2,4,6-HEPTATRIENOIC ACID, 7-PHENYL-, (E,E,E)-"/CN

=> d 122

L22 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN
 RN 10576-63-3 REGISTRY
 CN 2,4,6-Heptatrienoic acid, 7-phenyl-, (E,E,E)- (8CI, 9CI) (CA
 INDEX NAME)
 FS STEREOSEARCH
 MF C13 H12 O2
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMLIST
 (*File contains numerically searchable property data)

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

	SINCE FILE	TOTAL
	ENTRY	SESSION
COST IN U.S. DOLLARS	58.05	148.47
FULL ESTIMATED COST	0.00	-7.16
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-7.16

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FILE COVERS 1907 - 22 Sep 2003 VOL 139 ISS 13
FILE LAST UPDATED: 21 Sep 2003 (20030921/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> 122
L23 2 L22

=> d 123 1-2 ti fbib abs

L23 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
TI Structural effect in cross conjugative systems. IV. Properties of .alpha.-carboxyphenylpolyenic cyanides and the quantum chemical calculation of orbital energy and bond order
AN 1982:180289 CAPLUS
DN 96:180289
TI Structural effect in cross conjugative systems. IV. Properties of .alpha.-carboxyphenylpolyenic cyanides and the quantum chemical calculation of orbital energy and bond order
AU Liang, Desheng; Lai, Chugen; Chiang, Mingchien
CS Inst. Chem., Acad. Sin., Shanghai, Peop. Rep. China
SO Fenzi Kexue Xuebao (1981-1982) (1981), 1(1), 17-30
CODEN: FKKUDX; ISSN: 0253-3677
DT Journal
LA Chinese
AB all-trans-Ph(CH:CH)nCH:C(CN)CO2H (I) are prepd. and their UV and mass spectra are obsd. The MO, .pi.-energy differences, and .pi.-bond orders of I are calcd. by CNDO/2. The properties of I are correctly calcd. by using the extended form of the homologous equation for the corresponding linear conjugated system (.omega.-phenylpolyenic nitriles) with an .alpha.-CO2H group substituent. Cross-conjugated systems may be generally treated by allowing 1 of the 2 branches to become the terminal group of a linear conjugated system while the other branch becomes the substituent.

L23 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
TI Palladium-catalyzed arylation of conjugated dienes
AN 1979:22447 CAPLUS
DN 90:22447
TI Palladium-catalyzed arylation of conjugated dienes
AU Patel, Babu A.; Dickerson, James E.; Heck, Richard F.
CS Dep. Chem., Univ. Delaware, Newark, DE, USA
SO Journal of Organic Chemistry (1978), 43(26), 5018-20
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
AB CH₂:CHCH:CHCO₂H was arylated, using a Pd(OAc)₂-PPh₃ catalyst in the presence of Et₃N, with PhBr and 3,4-(CH₂O₂)C₆H₃Br in 92% and 60% yield, resp. PhCH:CHBr reacted under similar conditions to give 57% Ph(CH:CH)₃CO₂H. Other conjugated dienes were best arylated if basic secondary amines (piperidine or morpholine) were used instead of Et₃N, in which case arylated butenylamines were major products. Reactions of isoprene and 1,3-cyclohexadiene, -pentadiene and 1,3-butadiene are described.

=> logoff hold
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.50	154.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-8.46

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:05:17 ON 22 SEP 2003